Appl. No. : 10/715,096
Filed : November 18, 2003

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A light ~~provider~~ for an umbrella pole, comprising in combination:

a) a body **comprising an inner surface and a clamping device comprising a gripping surface and a spring located between the inner surface and the gripping surface, the spring configured to resiliently urge the gripping surface into engagement with the umbrella pole, whereby the body is** releasably attachable to the umbrella pole,

b) a source or sources of electric light carried by the body, to direct said light away from the body,

c) and incident light responsive means on the body to provide electrical energization for said light source, said means configured to receive incident light from a direction or directions spaced away from light directed from said source or sources.

2. **(Currently Amended)** The **light** ~~combination~~ of claim 1 wherein said body includes multiple sections that become interconnected when said body is attached to the umbrella pole.

3. **(Currently Amended)** The **light** ~~combination~~ of claim 2 wherein at least two of said sections have hinged interconnection, whereby said sections are clampingly connectable to the umbrella pole.

4. **(Currently Amended)** The **light** ~~combination~~ of claim 1 wherein said body has upper and lower sides, said means is located to face away from one of said sides, and said source of electric light is located to face away from the other of said sides.

5. **(Currently Amended)** The **light** ~~combination~~ of claim 4 wherein said means comprise a solar cell or cells, and said light source or sources comprise an LED or LEDs.

6. **(Currently Amended)** The **light** ~~combination~~ of claim 4 wherein said one side is generally convex in one direction away from the body, and said other side is generally convex in an opposite direction away from the body.

7. **(Currently Amended)** The light ~~combination~~ of claim 1 wherein said body defines a through opening to receive the umbrella pole.

8. **(Currently Amended)** The light ~~combination~~ of claim 7 wherein said opening has at least two selectable sizes to receive poles of different diameters.

9. **(Currently Amended)** The light ~~combination~~ of claim 7 wherein said means comprise solar cells spaced about said through opening, and said light sources comprise LEDs spaced ~~abut~~ about said central opening, in light concentrating clusters, each cluster received in a light reflecting receptacle.

10. **(Currently Amended)** The light ~~combination~~ of claim 1 including a control to control at least one of the intensity and[[/or]] color of light emission from said source or sources

11. **(Currently Amended)** The light ~~combination~~ of claim 5 including at least one control ~~or controls~~ to control at least one of the intensity and[[/or]] color of light emission from said LED or LEDs.

12. **(Currently Amended)** The light ~~combination~~ of claim 7 including a pole gripper or grippers at said opening and carried by the body.

13. **(Currently Amended)** The light ~~combination~~ of claim 12 wherein the body includes two sections respectively carrying said grippers, there being a spring or springs urging at least one gripper relatively toward another gripper.

14. **(Currently Amended)** The light ~~combination~~ of claim 3 including latch elements carried by said body sections to latch together when the sections are closed about an umbrella pole.

15. **(Currently Amended)** The light ~~combination~~ of claim 14 including a latch release on at least one of the sections and movable to unlatch said latch elements, there being a guide means to guide the sections when closed about the pole.

16. **(Canceled)**

17. **(Currently Amended)** A light ~~provider~~ for an umbrella pole, comprising in combination:

a) a body ~~attachable to the pole~~ **comprising an inner sidewall surface at least partially defining an opening for receiving an umbrella pole,**

b) a clamping device comprising a gripping surface and a resilient member located between the gripping surface and the inner sidewall surface, at least a portion of the clamping device being movable relative to the sidewall surface between an extended position and a range of clamping positions, the clamping positions being located between the extended position and the sidewall surface, the resilient member urging the gripping surface toward the extended position, whereby the light can be self-supported on umbrella poles of different sizes,

[[b)]]**c)** a source or sources of electric light carried by the body, to direct said light away from the body,

[[c)]]**d)** and means on or in the body for providing energy to said light source,

~~d) and wherein a through opening is carried by the body to receive the umbrella pole~~.

18.-23. **(Canceled)**

24. **(Currently Amended)** A lighting device suitable for fastening to a pole-like object, comprising:

a) a base part,

b) and a light source;

c) wherein, the base part comprises a first base part and a second base part **pivotably coupled with the first base part,** said first and second base parts being divided so that each has an inner sidewall surface facing that of the other, said sidewall surfaces forming a through hole to substantially encircle a pole-like object when said two base parts are connected, **said sidewall surfaces having at least one recess formed therein, said base part having a clamp comprising a gripping surface and a resilient**

member at least partially located in the recess, the gripping surface being movable relative to the sidewall surface between an extended position and a range of clamping positions, the clamping positions being between the extended position and the sidewall surface, the resilient member configured to urge the gripping surface toward the extended position, whereby the lighting device can be self-supported on umbrella poles of different sizes.

25.-35. (Canceled)

36. (Currently Amended) The lighting device of Claim [[35]]24, wherein the gripping surface is a first gripping surface and the clamp further comprises:

a first member extending from a recess in the inner sidewall surface of the first base part, the first member comprising [[a]] said first ~~engagement~~ gripping surface; and

a second ~~engagement~~ gripping surface generally opposing said first ~~engagement~~ gripping surface;

the clamp configured to urge the ~~engagement~~ gripping surfaces into frictional engagement with the pole-like object.

37. (Currently Amended) The lighting device of Claim 36, further comprising a second member comprising said second ~~engagement~~ gripping surface, the second member extending from a recess in the inner sidewall surface of the second base part.

38. (Canceled)

39. (Currently Amended) The lighting device of Claim 36, wherein ~~the first engagement~~ at least one of said gripping surfaces comprises a serrated edge to enhance friction between the ~~first engagement surface~~ serrated edge and the pole-like object.

40. (Previously Presented) The lighting device of Claim 24, further comprising a hinge adjacent a first end of each of said first base part and said second base part, said hinge coupling said first ends of said first and second base parts together.

41. **(Previously Presented)** The lighting device of Claim 40, further comprising a latch adjacent a second end of said first and second base parts, said latch configured to connect said first and second base parts.

42. **(Currently Amended)** The lighting device of Claim [[35]]**24**, wherein the base part includes a recess and the clamp further comprises:

a first member comprising a sliding block slidable within the recess and a first engagement surface;

a plurality of threaded pillar parts configured to drive the sliding block;

a transmission transmitting longitudinal force to the sliding block via rotation of the threaded pillar parts; and

a crank handle configured to cause the pillar parts to rotate whereby the first engagement surface is urged into engagement with the pole-like object.

43. **(Previously Presented)** The lighting device of 42, wherein the transmission further comprises:

a drive gear coupled with the crank handle; and

a pair of driven gears coupled with the drive gear and with the pillar parts;

wherein rotation of the crank handle induces rotation in the pillar parts to slide the sliding block.

44. **(Previously Presented)** The lighting device of Claim 24, wherein the lighting device further comprises a solar power charging unit.

45. **(Previously Presented)** The lighting device of Claim 44, wherein the solar power charging unit further comprises:

a plurality of solar panels located on the base part;

a plurality of wires; and

a solar-charging circuit,

wherein, each solar panel is electrically connected in series to the solar-charging circuit in the base part by said wires.

46. **(Previously Presented)** The lighting device of Claim 24 wherein the base part has a generally circular, disk shape, and further comprising:

a symmetrically divided first base part and a second base part each having a semi-circularly curved inner sidewall surface facing that of the other in which a circular through hole is formed to substantially encircle a pole-like object when said two base parts are locked together; and

a clamp to lock said two base parts together.

47. **(Previously Presented)** The lighting device of Claim 24, wherein the base part further comprises:

a hinge; and

a latch;

wherein the first and second base parts are held together by the hinge along a corner edge of each of said first and second base parts while the other corner edges are releasably coupled together by the latch.

48. **(Previously Presented)** The lighting device of Claim 24, wherein the light source comprises LED lamps.

49. **(Previously Presented)** The lighting device of Claim 48, wherein the light source comprises a rechargeable battery supplying electricity to the LED lamps.

50. **(Previously Presented)** The lighting device of Claim 24, further comprising a solar panel and a battery configured to be recharged by said solar panel, said solar panel and said battery providing energy to the light source.

51. **(Previously Presented)** The lighting device of Claim 24, further comprising a battery coupled with the light source to provide energy to the light source.

52. **(Previously Presented)** The lighting device of Claim 51, wherein the battery is a rechargeable battery and further comprising a corded charging unit.

53. **(Currently Amended)** The light ~~provider~~ of Claim 17, wherein the means for providing energy comprises at least one solar panel.

54. **(Currently Amended)** The light ~~provider~~ of Claim 53, wherein the means for providing energy comprises a battery configured to be recharged by said at least one solar panel.

55. **(Currently Amended)** The light ~~provider~~ of Claim 17, wherein the means for providing energy comprises a battery.

56. **(Currently Amended)** The light ~~provider~~ of Claim 55, wherein the battery is a rechargeable battery and further comprising a corded charging unit.

57. **(Canceled)**

58. **(Currently Amended)** The light ~~provider~~ of Claim 17 including at least one stand gripper carried by the body at said opening.

59. **(Currently Amended)** The light ~~provider~~ of Claim 58, wherein the body includes two sections carrying said grippers, there being at least one spring urging at least one gripper relatively toward another gripper.

60. **(Currently Amended)** The light ~~provider~~ of Claim 58, including means for adjusting said at least one gripper.

61. **(New)** A light for mounting around a pole, comprising:

a clamshell housing having an outer periphery and comprising a first portion and a second portion pivotably coupled to the first portion adjacent a location on the outer periphery, the first portion having a first inner sidewall surface and a first lateral surface extending outwardly from the inner sidewall surface to the outer periphery of the clamshell housing, the second portion having a second inner sidewall surface and a second lateral surface extending outwardly from the inner sidewall surface to the outer

periphery of the clamshell housing, the first and second portions defining an opening configured to receive a pole having a longitudinal axis;

at least one light source and power supply for the light source(s) carried by the clamshell housing, the housing having one or more opening(s) by means of which the light source(s) direct light away from at least one of the first and second lateral surfaces;

at least one clamp for engaging in use, the pole in a direction substantially perpendicular to the axis of the pole, the clamp extending in said direction from at least one of the inner sidewall surfaces and being spring-biased in said direction;